

510(k) Summary

JUL 21 2011

Date Prepared: May 19, 2011

Sponsor: Metasurg
16350 Park Ten Place, Suite 101
Houston, TX 77084

Company Contact: Joshua Scott
Phone: (281) 398-5656
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Device Trade Name: Metasurg DigiFuse Implant

Classification Name: Smooth & threaded metallic bone fixation fasteners (21 CFR 888.3040, Product Code HWC, Class II)

Common Name: Intramedullary Bone Fastener

Predicate Devices: OsteoMed Ext. 2.0/2.4 Cannulated Screw System (K062863)
Wright Medical Pro-Toe (K101165)
NEWDEAL K-Wire (K022599)

Device Description: The Metasurg DigiFuse Implant is a one-piece threaded device made of titanium intended to be implanted into the medullary bone of the lesser digits. The implant is offered in 4 variations consisting of the combination of 2.0mm and 2.5mm threads and 0° and 10° blades.

Intended Usage: The Metasurg DigiFuse implant is indicated for the fixation of osteotomies and reconstruction of the lesser phalanges during procedures to correct deformities of the toes and fingers.

- Hammer toe deformity
- Claw toe deformity
- Mallet toe deformity
- Other deformities of the feet and hands

The Metasurg DigiFuse implants are intended for single use only.

Material: Titanium Alloy (Ti 6Al-4V ELI)

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Technological Characteristics: The Metasurg DigiFuse implant and the other legally marketed predicate devices listed in this summary have similar indications, physical dimensions and are constructed of titanium and/or stainless steel.

Substantial Equivalence: A design and dimensional comparison was performed to establish substantial equivalence to the legally marketed predicate devices listed in this summary.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration
10903 New Hampshire Avenue
Document Mail Center - WO66-G609
Silver Spring, MD 20993-0002

Metasurg
% Mr. Joshua Scott
16350 Park Ten Place
Suite 101
Houston, Texas 77084

JUL 21 2011

Re: K111536

Trade/Device Name: Metasurg DigiFuse Implant
Regulation Number: 21 CFR 888.3040
Regulation Name: Smooth or threaded metallic bone fixation fastener
Regulatory Class: II
Product Code: HWC
Dated: May 31, 2011
Received: June 2, 2011

Dear Mr. Scott:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21


CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,



 Mark N. Melkerson
Director
Division of Surgical, Orthopedic
and Restorative Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Indications for Use

K111536

510(k) Number: ~~Pending~~

Device Name: *Metasurg DigiFuse Implant*

Indications for Use:

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The Metasurg DigiFuse implants are intended for single use only.

Prescription Use ✓
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use _____
(Part 21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)


(Division Sign-Off)

Division of Surgical, Orthopedic,
and Restorative Devices

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